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## 612,43765X00 **BROTO, KARINE**

PATENT APPLICATION	First Inventor BROTO, KARINE								
TRANSMITTAL			METHOD FOR DETERMINING A SEISMIC						
				OCITY MC		0			
(Only for new nonprovisional applications under 37 CFR 1.53(b))	T:44-		HETEROGENEOUS UNDERGROUND			PT 52			
	Title		FORMATION						
	Express M	ail Label No.				2278 U.S 10/8300			
APPLICATION ELEMENTS		4000000		top Patent Ap issioner for F		್ಲಹ್			
SEE MPEP chapter 600 concerning utility patent application c	ontents.	ADDRESS	<i>1</i> O.	lox 1450	atenta	0%			
		<u></u>	Alexa	ndria VA 2231	3-1450	<del>-87-</del>			
1. Fee Transmittal Form (e.g., PTO/SB/17)		_ 🗆				•			
(Submit an original and a duplicate for fee processing)			<ol> <li>CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</li> </ol>						
		Nucleotide and/or Amino Acid Sequence Submission							
2. Applicant claims small entity status.		fif applicable, all necessary)							
See 37 CFR 1.27		a. Computer Readable Form (CRF)							
3. Specification [Total Pages: 16]		b. Specification Sequence Listing on:							
(preferred arrangement set forth below)		i D CD-ROM or CD-R (2 copies); or							
-Descriptive title of the invention	ii	ii ☐ paper							
-Cross Reference to Related Applications -Statement Regarding Fed sponsored R & D			haha.						
-Statement Regarding Fed sponsored R & D -Reference to sequence listing, a table,		c. L State	ements verifyin	g identity of a	above copies				
or a computer program listing appendix									
-Background of the Invention -Brief Summary of the Invention		ACCOMPANYING APPLICATION PARTS							
-Brief Description of the Drawings (if filed)	9. L Assi	9. Assignment Papers (cover sheet & documents(s))							
-Detailed Description	10. D 37 C	FR 3.73(b) Sta	stement [	Power of Attorney					
-Claim(s) -Abstract of the Disclosure		(when there is an assignee)							
_	11. English Translation Document (if applicable)  12. Information Disclosure Copies of IDS Citations								
4. Drawing(s) (35 U.S.C. 113) [Total Sheets: 1]									
5. Oath or Declaration [Total Sheets:]		Statement (IDS)/PTO-1449							
a. Newly executed (original or copy)		minary Amend	ment						
b. Copy from a prior application (37 CFR 1.63 (d))		ırn Receipt Pos							
(for continuation/divisional with Box 18 completed)		ould be specific							
DELETION OF INVENTOR(S)	15. Certified Copy of Priority Document(s) (if foreign priority is claimed)								
Signed statement attached deleting inventor(s)	16. Nonpublication Request under 35 U.S.C. 122								
Named in the prior application, see 37 CFR				ch form PTO/SB/35					
1.63(d)(2) and 1.33(b)		s equivalent.							
6. Application Data Sheet. See 37 CFR 1.76		17. Othe	er: <b>Eigs. 1; C</b>	redit Card	Payment Form				
18. If a CONTINUING APPLICATION, check appropriate box	x and sunt	oly the requisite in	nformation be	elow and in	a preliminary amer	ndment.			
or in an Application Data Sheet under 37 CFR 1.76:	n, and oupp	ny tiro roquiotto ii							
	uation-in-par	t (CIP) of prior	application No.	:					
Prior application information: Examiner: Art Unit:									
For CONTINUATION OR DIVISIONAL APPS only: The entire disci	osure of the	prior application,	from which a	n oath or dec	claration is supplied	under			
Box 5b, is considered a part of the disclosure of the accompanyir The incorporation can only be relied upon when a portion has bee	ng continuat	ion or divisional a	pplication and	l is hereby in	corporated by refere	ence.			
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Date **APRIL 23, 2004** Signature This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS

PTO/SB/17 (10-03)

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for FY 2004						_	Application Number			٠,	A				
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Effective 10/01/2003. Patent fees are subject to annual revision.					E	Examiner Name									
☐ Applicant claims small entity status. See 37 CFR 1.27						Αı	Art Unit								
TOTAL AMOUNT OF PAYMENT (\$) 914.00						Attorney Docket No.				6	12.43765X0	0			
METHOD OF PAYMENT (check all that apply)							FEE CALCULATION (continued)								
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The Director is authorized to: (check all that apply)  Charge fee(s) indicated below						syments	1052	50	2052	25		arge – late pro			
⊠ Chama	anv s	ditional	feets	) during the near	tency of t	his annlication	1053	130	1053	130		-English specification			
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1002	340	2002		Design filing fee			1254	1,480	2254	740	Exten	sion for reply w	rithin fourth month	1	
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1005	160	2005	80	Provisional filing	fee		1402	330	2402	165	_	• •	ort of an appeal		
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1201 86 2201 43 Independent claims in excess of 3				1809	770	2809	385	Filing	ng a submission after final rejection CFR § 1.129(a))						
1203 290 1204 86	204 86 2204 43 ** Reissue independent claims				1810	770	2810	385	Fore	each additional invention to be mined (37 CFR § 1.129(b))					
1205 18	220	05 9	over original patent ** Reissue claims in excess of 20		1801	770	2801	385		quest for Continued Examination (RCE)					
and over original patent		1802	900	1802	900		est for expedite		•						
SUBTOTAL (2) \$ 144.00							of a design application							<b></b>	
**or number previously paid, if greater, For Reissues, see above.						Other	Other fee (specify)						Ļ		
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Name (Print/Type) Donald E. Stout					1/8 //					703-312-6					
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